DET

MONTANA DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES

Monthly Activities Report of the Air Quality Bureau STATE DOCUMENTS COLLECTION

MAY 1 5 1979

March, 1979

MONTANA STATE LIBRARY 930 E Lyndale Ave. Helena, Montana 59601

Most of the month was spent working on the State Implementation Plan to prepare it for submittal to the Environmental Protection Agency, the Network Review Plan, and many reports for the Montana Air Pollution Study.

## 2. Ambient Air QUality Network

a. Standards Exceeded - near East Helena for SO<sub>2</sub>

	microwave	East Station	Broudy
State 1-hour	4	0	0
State 24-hour	0	0	0
Federal 3-hour	0	0	0
Federal 24-hour	. 0	0	0

- b. Air Stagnation Advisories None in March
- c. Laboratory Status

Total	Determinations	for	Month	1828
Total	Samples for Mon	nth		439

d. Other

1. Highlights:

A field trip was taken to East Helena to collect snow for lead analysis.

# 3. Permits and Tax Credits

a. Construction permits applied for:

Maronick Construction, Jefferson County, jaw crushers and cone crushers Gus Albert, Dawson County, crusher McIntyre Construction, portable asphalt hot mix plant Baltrusch Construction, Hill County, portable gravel crusher R. J. Studer & Sons, Carbon County, portable gravel crushing plant Peter Kiewit Sons, Big Horn County, portable asphalt plant Zook Brothers, Pondera County, portable asphalt batch plant Hilde Construction, Big Horn County, hot mix plant and gravel crusher McIntyre Construction, portable asphalt hot mix plant McIntyre Construction, portable asphalt hot mix plant Frances Tindall Construction, Fergus County, gravel crusher Francis Tindall Construction, Fergus County, gravel crusher



## 3. Construction permits, received

Earth Builders, Custer County, portable asphalt plant
Earth Builders, Custer County, portable gravel crusher
Earth Builders, Dawson County, portable gravel crusher
Earth Builders, Dawson County, portable asphalt plant
Maronick Construction, Jefferson County, jaw crushers and cone crushers
Gus Albert, Dawson County, crusher
McIntyre Construction, portable asphalt hot mix plant
R. J. Studer & Sons, Carbon County, portable gravel crushing plant
Zook Brothers, Pondera County, portable asphalt batch plant

c. Tax Credits - None

### 4. Variance Status:

#### a. Current:

Anaconda Company, SO<sub>2</sub> variance, approved in November ASARCO, one year variance granted through June 30, 1979.

#### b. New

George Berg, Lewistown, open burning, currently being processed Lincoln Landfill Board, Lincoln, open burning, currently being processed

# 5. Enforcement Actions:

#### a. Citations

Burkland Studs, Livingston, MT 790302-BR-1; Tepee burner in violation of rule 16-2.14(1)-S14030 (Woodwaste burners)

McIntyre Construction, Great Falls, 790307-JV-1; Rock crusher in violation of rule 16-2.14(1)-S1400 (Permits) - Big Horn County

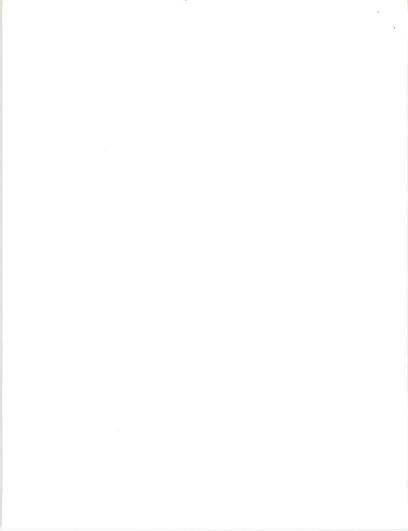
Anaconda Aluminum, Columbia Falls, 790312-DH-2; Old cryolite unloading vent in violation of rule 16-2.14(1)-S1460 (Visible emissions)

Thompson Falls Lumber, Thompson Falls, 790314-DH-2; tepee burner in violation of rule 16-2.14(1)-S14030 (Woodwaste burner)

Stoltze Land & Lumber, Columbia Falls, 790312-DH-1, tepee burner in violation of rule 16-2.14(1)-S14030 (Woodwaste burner)

C & C Plywood, Kalispell, 790313-DH-1; tepee burner in violation of rule 16-2.14(1)-S14030 (Woodwaste burner)

Spring Creek Forest Products, Judith Gap, 790301-BR-1; Tepee burner in violation of rules 16-2.14(1)-S1400 and 14030 (Permits and Woodwaste burners)



Brand S Lumber, Livingston, MT 790302-BR-2; tepee burner in yiolation of rule 16-2.14(1)-S14030 (Woodwaste burner)

Stoltze Land & Lumber, Conner, MT 790322-BR-1; Tepee burner in violation of rule 16-2.14(1)-S14030.

- b. Notice of Violations None
- c. Order for Corrective Action

Brand S will have a hearing before the Board on May 11, 1979, on Order 0731208-BR-1.

## 6. Tepee burner and Open Burning:

Tepee Burner - number in operation is currently 20

Open Burning Permits Issued:

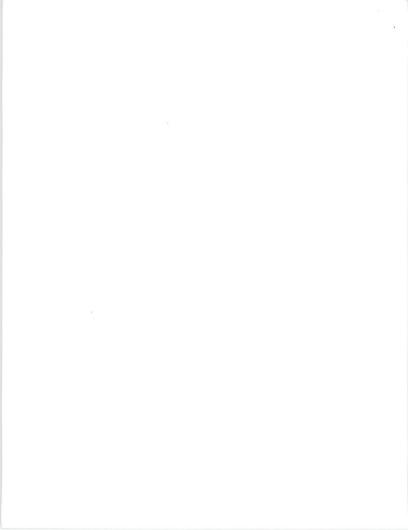
Kalispell Office	355	Sanders County	34
Cascade County	22	Yellowstone Co.	190
Lake County	300	Rest of state	988
Missoula County	560	Total	2449

## 7. Source Tests Performed:

None in March

# 8. Field Investigations:

C & C Plywood, Kalispell Stoltze Land & Lumber, Columbia Falls Superior Lumber, Columbia Falls Anaconda Aluminum, Columbia Falls St. Regis Lumber, Libby Kennedy Stevens, Eureka Louisiana Pacific, Columbia Falls Thompson Falls Lumber, Thompson Falls Louisiana Pacific, Trout Creek Flodin Lumber, Thompson Falls Plum Creek Lumber, Fortine American Timber, Olney Brand S. Lewistown, inspection George Berg Lumber mill, Lewistown, variance inspection U. S. Gypsum, Lewistown, routine inspection Spring Creek Lumber, Judith Gap, inspection, citation issued Burkland Studs, Livingston, inspection, citation issued Willow Creek Lumber, Livingston, inspection Brand S Lumber, Livingston, inspection Pfizer Talc, Dillon, inspection Stoltze Lumber, Dillon, routine inspection Champion Building Products, Darby, inspection Stoltze-Conner Lumber, Darby, inspection, citation issued



### 9. Complaints:

St. Regis Paper, Libby, soot, problem corrected C & C Plywood, Kalispell, soot, inspection Amish Community, Libby, open burning, investigation Individual, Helena road, open burning, letter of reprimand Russel Taglareni, Glacier County sanitarian, abuse of BN variance, BN notified of complaint

## 10. Data Processing Services:

- a. Ambient Data Summary attached
- b. Emission Inventory Status

Various meetings were held with the staff to describe changes recommended to be made to the EIS/P&R point and area source systems. A cost and time estimate is being prepared for the changes recommended.

c. Prevention of Significant Deterioration

The Montana PSD rule was submitted to the Secretary of State and the rule became effective March 16, 1979.

d. Modeling - No significant activities.

# 11. Environmental Impact Statements:

None were written or reviewed during March.

# 12. Status of Studies, Contracts and reports:

Poplar River is operating well. Report is due in July, 1979. Flathead Environmental Study is operating well. Report due in July, 1979. MAPS Meteorology studies operating well. Final report due in June, 1979. Montana Air Pollution Study is operating smoothly - all reports due by July 1.

Montana Ambient Air Quality Study is working on final EIS, due by July

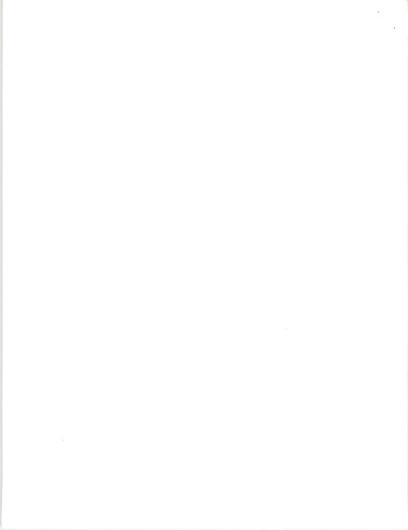
# 13. <u>Schools and Training</u>:

Three bureau employees attended a technical writing workshop this month.

# 14. Public Hearings and Meetings:

- a. Public Hearings held A Board of Health meeting was held on March  $16,\ 1979.$
- b. Meetings attended

Carroll College professors, Helena, regarding ambient data reduction Industry representatives, Helena, regarding PSD rule EPA, Helena, regarding BOA grants, SIP Study Area Manager, regarding Flathead Environmental Study funding



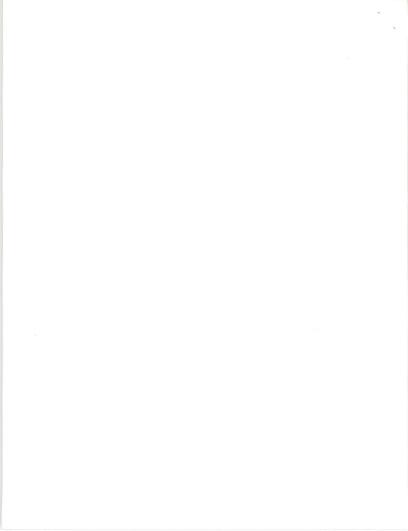
b. Meetings, attended, Cont.

Flathead Environmental Study technical advisory committee Olsen & Elliott Associates, Helena, regarding DESPUR E. A. Wells, Helena, Peach Street fugitive dust problem in Bozeman Dave Jones, Ravalli Co. sanitarian, open burning Brand S Lumber, office conference regarding tepee burner, Helena Airshed coordinators meeting, Missoula, forest burning

c. Intra staff meetings

Legal Division, Brand S MAPS staff meeting, Bureau staff regarding EIS/P&R Seminar in Helena for bureau staff on operation theory and procedures for new micro computer

# 15. Public Information Requests:



#### MONTANA DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES

MONTHLY SUMMARY OF AIR QUALITY DATA January 1979

Pollutant: Total Suspended Particulate

Big Horn Co. Warren Ranch

Sig Horn Co. Central Park

Traphagen Hall 5.2 5.2 

Greeley School 

Butte Dr. Canty Res. Butte

Butte McKinley Ros. Granite Co. Tieriney Res. Silver Bow Co.

Silver Bow Co. Microwave Jofferson Co. 212 E. Pacific Lewis & Clark Cogswell 81dg. Helena

8illings

8ozenan

Butte Hebgen Park

Current Year-to

Month -Date

S3 

an 

ä

AQCS Site Location

Morton-Oecker

Kiwanis Park Year

Units: micrograms/cu. meter ARITHMETIC AVER Year-to-No. of Mons. o Conments 

Std.

NOCE 1 exc. Fed. Sec. Std. 1 exc. Fed. Sec. Std. 1 exc. Fed. Sec.

Pollutant: Total Suspended Particulate bnits: micrograms/cu. meter Site Location Conments Year onth -Date Sorder Site S Lindsay Dawson Co. Fort Peck McCone Co. Lame Deer Rosebud Co. В 8N Site Colstrip McRae Site Colstrip Anders Res. Col. Falls Trailer-NAAC Flathead Co. S9 Strom Bar Kalispell Libby-Srown Lincoln Co. 

Pollutant: Miscellaneous Continuous Data			Units ppm			Pollutant:					Units:				
AREA HIGH READING			ARITHMETIC AVER.			AREA		HIGH READING			ARITHMETIC AVER				
AQCR	Site Location	Month	Year- to-Date	Running Year	Year- to-Date	No. of Mons. of Data	Comments	AQCE	Site Location	Current Month	Year- to-Date	Running Year	Year- to-Date	No. of Mons. of Data	Comments
	Nitrogen, Diexide														
	Hebgen Park Butte Ozone	0.200	0.200	0.200	0.063	1									
140	Central Park Billings	0.043	0.043	0.043	0.016	1									
142	Hebgen Park Butte	0.033	0.033	0.080	0.008	1									
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